

Appln. No. 09/905,717

Amendment Date: December 4, 2005

Reply to Office Action of November 9, 2005

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Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Currently Amended) A receiver for receiving and
Efficiently separating a composite 3-G wireless communication
signal into [its] constituent base-band components, wherein said
receiver combines [multiple] processing tasks of a [conven-
tional] 3-G receiver using a single filter, [in two entities]
the single filter comprising

an equal-ripple linear phase recursive filter channelizer
performing spectral translation and bandwidth reduction, and

an equal-ripple linear recursive interpolator for perform-
ing sample rate changes[,].

[whereby the channelizer entity performs the processing re-
quired to operate multiple channels in a single device.]

2. (Cancelled)

3. (Cancelled)

4. (Cancelled)

5. (Cancelled)

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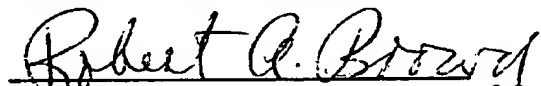
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Applicant respectfully contends the present amendments place this case in proper order for allowance. Accordingly, the Examiner's reconsideration and early allowance are respectfully solicited.

Applicant's Attorney may be reached at 847/272-3182, or 847/272-3176, or FAX 847/272-5424, if the need arises for any further discussion in connection with the matters at hand.

Respectfully submitted,

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